Infra-Red Technology for Determining Inhabitants Position Inside a Building

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ABSTRACT

Safety factor is the key point to consider when we build a building. When an accident happen, the positions of inhabitants inside the building are necessary to determine. This information required for the rescuer. In order to determine position of building’s inhabitants, it needed a tool for it.

The system design for determining position of building’s inhabitants is used to minimize victims when an accident occurred. The infra-red technology was applied to this system. The transmitter which was transmitting infra-red wave was set up in every entrance inside the building. This wave was caught by receiver. Systems are controlled by micro-controller as main control. The number of inhabitants on each room was displayed on LCD screen.

Keywords : safety factor, infra red censor